	Application No.		Applicant(s)	
Notice of Allowability	09/476,558	9/476,558 HU, YONGJUN		
	Examiner		Art Unit	Ţ
	Wai-Sing Lou	ie	2814	
	T Wal-Olling Lou		2014	1
The MAILING DATE of this communication apply All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS)) or other approp IGHTS. This ap) CLOSED in this apportate communication option is subject to plication is subject to	plication. If not includ will be mailed in due	ed course. THIS
1. This communication is responsive to 7/23/03.				
2. X The allowed claim(s) is/are 16,18,20-33 and 36-44.				
3. 🔯 The drawings filed on <u>23 October 2001</u> are accepted by the Examiner.				
 4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some* c) ☐ None of the: 				
1. Certified copies of the priority documents have been received.				
2. Certified copies of the priority documents have been received in Application No				
3. Copies of the certified copies of the priority documents have been received in this national stage application from the				
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
5. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).				
 (a) ☐ The translation of the foreign language provisional application has been received. 6. ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. 				
o. 🖂 Acknowledgment is made of a claim for domestic priority d	mder 35 O.S.C. §	39 120 and/or 121.		
Applicant has THREE MONTHS FROM THE "MAILING DATE" o below. Failure to timely comply will result in ABANDONMENT of				
7. A SUBSTITUTE OATH OR DECLARATION must be subrINFORMAL PATENT APPLICATION (PTO-152) which gives reas				NOTICE OF
 CORRECTED DRAWINGS must be submitted. (a) ☐ including changes required by the Notice of Draftsper 1) ☐ hereto or 2) ☐ to Paper No 				
(b) ☐ including changes required by the proposed drawing(c) ☐ including changes required by the attached Examiner				
Identifying indicia such as the application number (see 37 CFR 1 each sheet.	l.84(c)) should be	written on the drawir	ngs in the front (not the	∌ back) of
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT FOR T 				Note the
Attachment(s)				
 1 Notice of References Cited (PTO-892) 3 Notice of Draftperson's Patent Drawing Review (PTO-948) 5 Information Disclosure Statements (PTO-1449), Paper No 7 Examiner's Comment Regarding Requirement for Deposit of Biological Material 		I□ Interview Summ I□ Examiner's Ame	al Patent Application (ary (PTO-413), Paper ndment/Comment ement of Reasons for	No

DETAILED ACTION

Allowable Subject Matter

Claims 16, 18, 20-33, and 36-44 are allowed. The following is an examiner's statement of reasons for allowance:

The claimed invention is a semiconductor structure comprising:

- A semiconductor substrate;
- An antireflective coating over the semiconductor substrate, the antireflective
 coating (ARC) comprising a metal silicon nitride compound, the metal being at
 least one metal selected from the group consisting of scandium and cobalt, where
 the ARC is configured to minimize reflectivity of deep ultraviolet light.

Reference Brady et al. (US 5,066,615) disclose a semiconductor structure comprising a semiconductor substrate having an ARC consisting of metal silicon nitride. However, Brady et al. do not disclose the metal selected from the group consisting of scandium and cobalt.

Reference Finley et al. (US 5,552,180) disclose a semiconductor structure comprising a semiconductor substrate having an ARC consisting of metal silicon nitride. However, Finley et al. do not disclose the metal selected from the group consisting of scandium and cobalt.

Therefore, the above references do not disclose the claimed invention of present application and claims 16, 18, 20-33, and 36-44 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

Application/Control Number: 09/476,558

Art Unit: 2814

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Wai-Sing Louie whose telephone number is (703) 305-0474.

The examiner can normally be reached on 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Wael Fahmy can be reached on (703) 308-4918. The fax phone number for the

organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 308-0956.

Page 3